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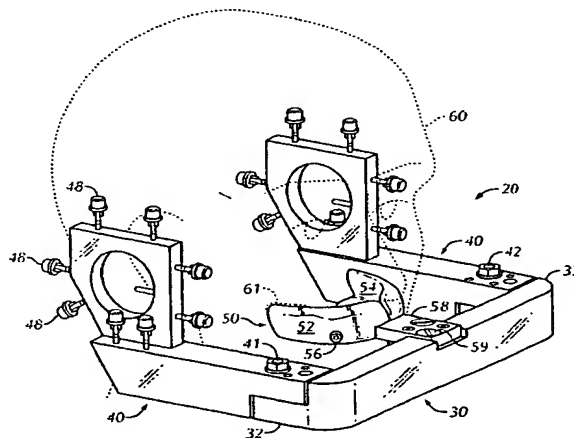
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[Continued on next page]

(54) Title: FIDUCIAL MARKER HOLDER SYSTEM FOR SURGERY



(57) Abstract: A fiducial marker holder apparatus (20, 120, 220) includes a maxillary holding device (50) and an open-ended frame (30, 130, 230). The maxillary holding device (50) is configured to be temporarily secured to only a maxillary-region of a patient. The open-ended frame (30, 130, 230) has first and second arms (32, 132, 232, 33, 133, 233) and is configured to be removably attached to the maxillary holding device (50). The first arm (32, 132, 232) has at least one marker attachment point (48a-48h, 148a-148n, 248a-248l) that receives fiducial markers (48) and the second arm (33, 133, 233) has a plurality of marker attachment points (48a-48h, 148a-148n, 248a-248l) that receive fiducial markers (48). At least two of the marker attachment points (48a-48h, 148a-148n, 248a-248l) of the second arm (33, 133, 233) are configured to receive fiducial markers (48) in different orientations with respect to the open-ended frame (30, 130, 230) and each other (48a-48h, 148a-148n, 248a-248l).

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/14141

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61B 19/00

US CL : 606/130

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 606/130

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,096,048 A (HOWARD ET AL.) 01 AUGUST 2000 (01.08.2000), SEE COL. 7, LINES 22-32.	1-19

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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